Revision

on Lessons 1& 2

مراجعة عامة على الدرسين الأول و الثاني في ورقة واحدة



Lesson 1: Explorer in Action

Mr. Kartik sawhney

- Mr. Kartik Sawhney is a National Geographic Explorer.
- ▶ He's a computer expert.
- He uses technology to help people of determination.
- He creates applications that provide access to visual content to the blind and visually impaired.

I-Stem platforms

- The I-Stem platform provides software that changes digital texts into a format.
- A person who can't read might upload the text to I-Stem website.
- It includes employment opportunities for people of determination.

Lesson 2: Computer network devices

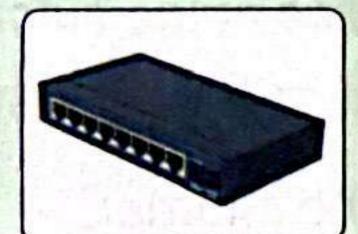
The components of a computer network

1

MODEM



SWITCHES



Switches are intelligent.

Artificial intelligence (AI)

- It is a comprehensive term for computer application that perform complex tasks that simulate the thinking of the humans.
- The machine can give answers to the data provided.
- AI works to imitate sounds when provided with the tone of voice of an actual human being.

Revision on Lessons 3 & 4





Lesson 3: Technology and artificial intelligence (AI)

Augmented reality

- Augmented reality (AR) combines the real world with a virtual world.
- Augmented reality can be done through a smartphone camera or a tablet.
- AR helps students become active participants in learning.

Virtual reality

- Virtual reality (VR) is a virtual 3-D environment.
- It allows users to explore and interact with the surroundings.
 - ▶ To experience VR, users often wear VR headset that blocks out the real world.

Lesson 4: Evaluating cutting-edge technology

Reliable cutting edge technology

- Cutting-edge technology is defined as the latest and most advanced version of a service or product.
- Cutting-edge technology has transformed life in ways that were unimaginable.
- Artificial intelligence, augmented reality and virtual reality are examples of cutting-edge technology.

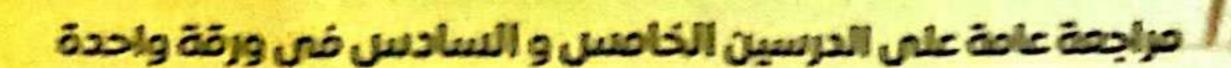
User experiences

- User experiences is how to use the product and interact with it.
 - It is how to evaluate the experience.
 - It is often broken into different areas, and can be positive or negative.

Scanned with CamScanner

Revision

on Lessons 5 & 6





Lesson 5: Digital research skills

Database

- They're a collection of information which are typically stored in a computer system.
- They can be accessed, for free, through your school.
- You can search for information from magazines and newspapers through them.
- Use a key word search when you search any database.

Library catalogs

- It is a database which includes all the items owned by a library.
- It includes recently published books, including e-books with the most recent research about a subject.

Lesson 6: Mobile devices

Types of mobile devices

- Smartphones
- Tablets
- E-readers
- Smartphones and tablets can be used to surf the web and check email, similar to PCs.
- Mobile devices have hight quality cameras, speakers, and screen resolution.

How mobile devices can improve the lives of people of determination

- It can provide people of determination with educational services at home.
 - A speech assistance app can help a non-verbal student participate in a class.
 - Assistive software can help people of determination in the workplace to manage time and tasks.

Revision

on Lessons 7 & 8



مراجعة عامة على الدرسين السابع و الثامن في ورقة واحدة

Lesson 7: Operating systems

Operating systems

- An operating system is the software that manages a computer's functions.
- It includes accessible devices such as screen readers and magnifiers.
- It runs computer's software and hardware.
- It allows a user to communicate with the computer easily.

Cutting-edge Operating systems

- Cutting-edge technologies are other types of operating systems.
- The Robot operating system (Ros) is an open-source software.
- The Ros used for building robot applications.

▶ If you got ●you need to revise the lesson again.

On Lesson 2



ا جيد جدا

الصفحة السابقة.	ة الدرس مرة اخرى من	لت على 🌑 (غير جيد) قم بمراجعاً	نسك بالعلامات الموضحة وإذا حص	عبرجيد فمبتقييمنة) جید	
Choose t	he correct a	answer from a, b,	c or d.			
1. 🕮 a. Hist		rks connect without b. Imitate	ut wiring. c. Wireless	d. Complex		
	are group		ngs that are connec	cted to each othe	r for	
а. Ехр	lorers	b. Networks	c. Computers	d. Keyboard		
	converts	the signal from the	internet service pro	ovider (ISP) into		
a. Port		b. Modem	c. Router	d. Switch		
	perfor		that simulate the th	inking and perfo	rmar	ICE
a. VR		b. AI	c. AR	d. ICI		
5a. Mod		ta to a specific dev b. Switch	ice over a network. c. Server	d. None of the	m	
a. Des	are de ktop comput		connected to the into b. Laptops d. All of them	ternet.		
7. Wired on dev		e physical wiring ar	nd cables which are	e plugged into		••••
a. ports		b. modem	c. routers	d. switches		
8. Aa.		ice that connects a b. laptop	local area network c. router	(LAN) to the int d. server	erne	t.
9. The ab	breviation of	Artificial intelligend b. IA	ce is	d. AR		
Put (√) i	n front of co	rrect sentence an	d (x) in front of t	the wrong one.		
	ter networks		with each other, to	share important	(
	ss networks u		and cables which	are plugged	(
			ing (wireless or Wi-	Fi).	(

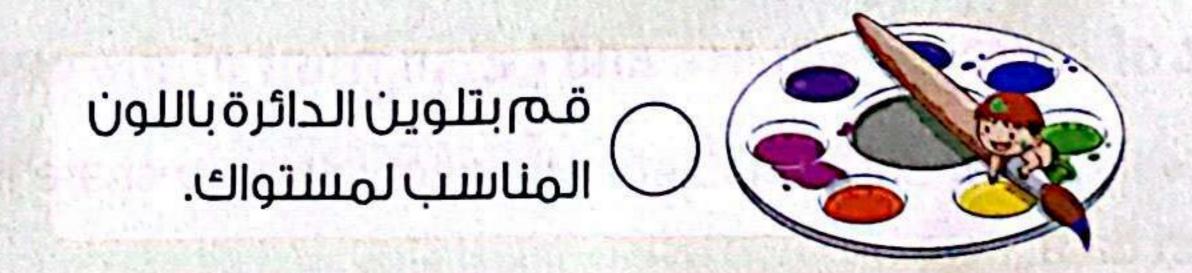
4. A switch is a device that connects a local area network to the internet.	()
5. Modem converts the signal from the internet service provider (ISP)	
which transforms into a digital signal that can be read by devices.	()
6. Switches help to make connections easier and faster.	()
7. VR works to imitate sounds when provided with the tone of voice of	
an actual human being.	()
Read and write the name of the device.	
1. It's a device that connects a local area network (LAN) to the internet.	()
2. It helps to make connections easier and faster.	()

Read and circle the correct one.

- (AI EKB) is a comprehensive term for computer applications that perform (simple – complex) tasks that simulate the thinking and performance of the human element.
- 2. If you want to make a network, then you need to have a (modem-refrigerator) that connects (local wide) networks to the internet and you can connect the network in two ways wired and wireless.

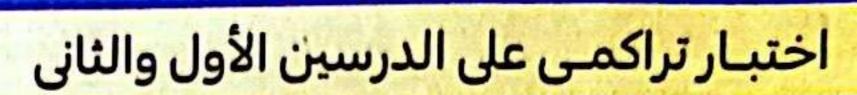
Read and circle the correct usage.

- 1. AI:
 - artificial intelligence
 - artificial information
- 2. Wired network:
 - Uses wireless signals.
 - Uses physical wiring and cables.



Accumulative Test

On Lessons 1 & 2



1	Ch	oose the correct answ	er from a, b, c or d		
	1.	Mr. Kartik Sawhney	is a/an at t	he National Geogra	phic Organization.
		a. ecologist	b. biologist	c. explorer	d. doctor
	2.	Mr. Sawhney has b audio frequencies.	een able to create a	pplications that con	vert into
		a. sounds	b. writings	c. graphs	d. symbols
	3.	The deals services and access to	with governments, to places of those orga	technology universit anizations.	ies, to provide
		a. I-Stem platform		b. Google Chrome	
		c. EKB platform		d. Internet explore	
	4.	The converts a digital signal.	the signal from the i	nternet service prov	ider (ISP) into
		a. Port	b. Modem	c. Router	d. Switch
		The is one of opportunities for people a. facebook	e of determination.	rovides counseling a	and employment d. None of them
		are devices the			
	0.	a. Desktop computers			d. All of them
2	P	ut (1) in front of the c	correct sentence an	d (x) in front of th	e wrong one.
		Mr. Sawhney has been audio frequencies.	able to create appli	cations that convert	sound into ()
		People of determination and prepare for job inte		support on how to v	vrite resumes ()
	3.	Wireless networks use holes on devices.	physical wiring and	cables which are pl	ugged into ()
	4.	(AI) is a comprehent tasks that simulate the t	하다 하는 이렇게 얼마나요? (그런데일데요?) 하고 있다면 그는 그리고 있는데 얼마나요요. 이렇게 다 없다.		
3	Re	ead and write the name	e of the device.		
* 600		Device that connects lo		the internet.	()
	2.	A group of devices or the	nings that are conne	cted to each other t	for
		a common purpose.			()

يمكنك المراجعة باستمرار (تراكمية) من خلال الصفحة السابقة.



On Lesson 3



▶ If you got ● you need to revise the lesson again. قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🌑 (غير جبد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة 11 Choose the correct answer from a, b, c or d. 1. _____ feel futuristic, but they are already being used in education and everyday life. b. Virtual reality a. Augmented reality c. Artificial intelligence d. all of them 2. Qualification combines the real world with a virtual world by adding images using computers. a. Augmented reality b. VR c. Artificial intelligence d. both (a) and (b) 3. This can be done through a smartphone camera or a tablet and will show a of what looks like the real world. d. 5-D model b. 2-D model a. 3-D model c. 4-D model 4. [1] helps students become active participants in learning and makes learning more memorable. d. AI c. VR a. RV b. AR 5. is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality. d. AI c. VR b. AR a. RV 6. is used to unlock your phone with facial recognition. d. 3D c. VR b. AR a. AI 7. VR Users often wear a that blocks out the real world and provides views that immerse the user in another world. d. none of them c. VR headset b. headset a. headphone 8. Augmented reality can be done through a d. disk c. hardware b. computer a. tablet 9. In the classroom, can take you to a world where insects and atoms are bigger than you, so that you can study them closely. b. Virtual Reality a. Augmented reality d. both (b) and (c) c. VR 10. A/An help disabled individuals through using virtual assistants to accomplish everyday tasks. a. augmented reality b. virtual reality

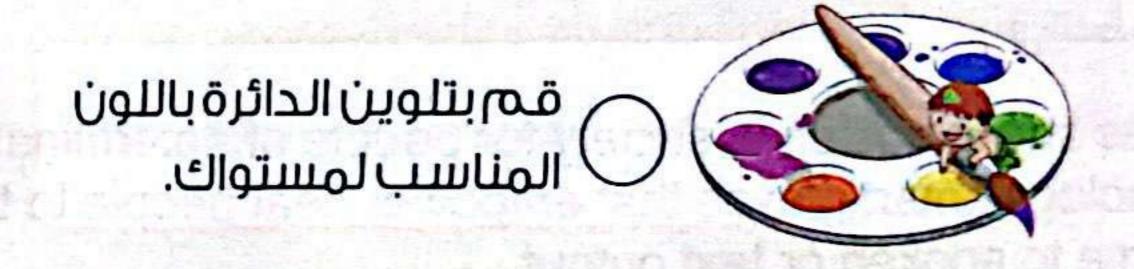
c. artificial intelligence

d. none of them

Put (\checkmark) in front of the correct sentence and (x) in front of the wrong	one.	
1. Using AR, students in a math class can point their smartphone camera at a	flat	
surface and project a 3-D image like a cube or cylinder onto the surface.	()
2. (1) Using windows helps students become active participants in learning	and	
makes learning more memorable.	()
3. Du Users often wear a normal headphone that blocks out the real world	and	
provides views that immerse the user in another world.)
4. Artificial intelligence (AI) is the ability of the computer to think and learn.	()
5. Futuristic technologies cannot improve the lives of people of determination	on. ()
6. From the uses of AR, someone with a visual impaired can see their famil		
members up close.)
7. An AR app shows you how new furniture will look in your house.	SOUL OF REAL)
8. Disabled individuals can use virtual assistants to make phone calls.	()
Read and write the name of app or tool.		
1. Abbreviation of AI ()
2. Abbreviation of VR ()
3. Abbreviation of AR ()
4. It is the ability of computer to think, learn and deduce. ()
5. It blocks out the real world and provides views that immerse the user		
in another world.)

Read and circle the correct one.

 From examples of (AR – GPS), students in a math class can point their smartphone camera at a flat surface and project a (5-D image – 3-D image) like a cube or cylinder onto the surface, as if the figure is in front.







▶ If you got ● you need to revise the lesson again. جيدجدا ممتاز قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🌑 (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة. غير جيد Choose the correct answer from a, b, c or d. is the latest and most advanced version of a service or product. b. Cutting-edge technology a. Augmented reality d. Assistive technology c. Artificial intelligence 2. [1] helps people of determination, for example, screen magnification software and hearing aids. b. Cutting-edge technology a. Augmented reality d. Assistive technology c. Artificial intelligence 3. Screen magnification software, hearing aids, and programs that turn speech to text and text to speech are examples of b. cutting-edge technology a. augmented reality d. artificial intelligence c. assistive technology 4. Artificial intelligence (AI), augmented reality (AR), and virtual reality (VR) are examples of b. cutting-edge technology a. augmented reality d. assistive technology c. artificial intelligence 5. D Smart gloves that empower deaf people to translate their signs in real time to spoken or text output considered b. cutting-edge technology a. augmented reality d. artificial intelligence c. assistive technology 6. [1] describes how people use the product and interact with it, and how they evaluate their experiences. b. Meeting needs a. User experiences d. None of them c. Both of them

7. categories are ways of technology evaluation.

a. Accessible

c. Findable

b. Desirable

d. all of them

	D. 4 /	1:-	forma - f	41	sentence and	/ (a) i	n frant -	C 46	V market
4	PULLV) III	Iront of	the correct	sentence and		II II ONL O	r the wrond	one
		,		circ correct				. the midnig	0.,

- Artificial intelligence (AI), augmented reality (AR), and virtual reality (VR) are examples of assistive technology.
 Cutting-edge technology is the latest and most advanced version of
- a service or product.

 3. Cutting-edge technology helps people of determination.

 ()
- 4. User experiences are ways of technology evaluation. ()
- 5. Meeting needs improve someone's independence and consquently inclusion in society.

Read and write the categories.

(Findable – Credible – Usable – Accessible – Valu	uable)
Does this product improve my life or help me learn?	
If there is an issue with the project or service, can I find the solution?	
Are the company and its products trustworthy?	
Is it easy to use?	
Is it accessible for people of determination?	

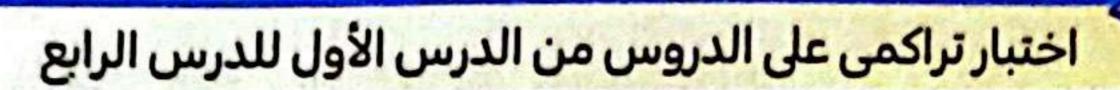
Read and circle the correct usage.

- 1. VR:
 - virtual reality
 - augmented reality
- 2 AT :
 - artificial intelligence
 - artificial information
- 3. Meeting needs:
 - · It is interlinked with the development of products and services.
 - · It isn't interlinked with the development of products and services.



Accumulative Test

On Lessons 1, 2, 3 & 4



Choose the correct answer from a, b,	c or d.	
1 is the latest and most act a. Augmented reality c. Artificial intelligence		ge technology
 Smart gloves that empower deaf peo- spoken or text output is considered a. augmented reality c. assistive technology 		e technology
 3 receive support on how to we interviews by using I-Stem platform. a. Hearing impaired people c. Blind and visually impaired people 	b. People of od. Normal peo	determination ople
 4 is a comprehensive term for complex tasks that simulate the thinki element. a. AL b. IA 	ng and performance	ons that perform of the human d. LA
5 helps students become active learning more memorable. a. RV b. AR	e participants in lea	rning and makes d. RA
Put (✓) in front of the correct sentence	es and (x) in front	of the wrong one.
 Mr. Sawhney creates applications that people to access visual content. Devices can be connected without wiri (wireless or Wi-Fi). Cutting-edge technology helps people challenging. Augmented reality from the examples of the content of the c	ing by using radio was	aves () th tasks they find ()
Read and correct words between brack	cets.	
 (Meeting needs) describes how people and how they evaluate their experience (Programing languages) is the newest 	es.	()
a service or product. 3. AI, AR, and VR are examples of (Assis	tive technology).	()

يمكنك المراجعة باستمرار (تراكمية) من خلال الصفحة السابقة.



On Lesson 5



▶ If you got ● you need to revise the lesson again. قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🌑 (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

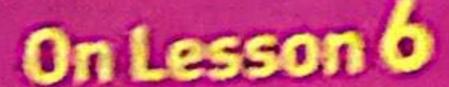
ممتاز
کند 🔵

Chanca	440	corract	answer	from	2	h	cor	h	
CHOOSE	uie	correct	allower	HOIII	u,	U,	c o.	u .	

Choose the correct answer fr	om a, b, c or u.
1 are some of the ma. Copy c. Cut	ost used word processing commands. b. Paste d. All of them
2.	le to search internet websites based on the keyword b. Database d. Google chrome
3. A library catalog is a/ana. headingc. database	which includes all items owned by the library b. engine d. subject
4 are collections of its system and can be accessed.a. Search enginesc. Library catalogs	nformation which are typically stored in a computered, for free through a school or library. b. Databases d. Google chrome
5. You can search for informathe	mation from magazines and newspapers through b. databases d. Google Chrome
6. The is an example a. Facebook c. EKB	of a general database which covers many subject b. Twitter d. Instagram
7. The EKB results are credible a. inaccurate c. accurate	e andb. narrow d. unclear
 8. To get useful search res a. search by author name b. search title of the journal c. search by specifying date d. all of them 	
9. A is a databasea. search enginec. library catalog	which includes all the items owned by a library. b. database d. Google Chrome

Put (√) in front of the correct sentence and (×) in front of the wrong one		
1. A library catalog is a database which includes all the items owned by a library.	()
2. In There is only one way to get useful search results and to narrow your		
search you can.	()
 Search engine is a good place to search for information from magazines, and newspapers. 	()
4. Databases are collections of information which are typically stored in		
a computer system.	()
5. When doing research via internet, use your evaluation skills to ensure the	-	
content you select is credible and accurate.	()
Complete the sentences with the appropriate words in brackets.		
(Databases – Search engine – paste – library catalogs)		
1 help people to search internet websites based on the key words a phrases.	and	
2	oute	er
3. A is a database which includes all the items owned by a library.		
4. Copy, and cut are some of the most commonly used word process commands.	sing]
Read and correct words between brackets.		
1. (Databases) help people to search internet websites based on the key wand phrases.	ord	ls)
2. (Search engine) is a database which includes all the items owned by a library.)
3. (Search engine) is a good place to search for information from journals,		
newspapers, and reference books. (•••••)







▶ If you got @ you need to revise the lesson again. التدجيد فويتقيم نفسك بالعلمات الموضحة واذا حصلت على وأعير حبدا فم بمراجعة كنرس مرة أخرى من الصفحة السابقة Choose the correct answer from a, b, c or d. 1. are types of mobile devices. Tablets Smartphones d. all of them c. E-readers 2. ____ surf the web and check email, similar to PCs. b. Tablets a. Smartphones c. both (a) and (b) d. E-readers 3. look like tablets but are mainly used for reading books. Smartphones b. Tablets d. E-readers c. PC computers 4. Qoften have high-quality cameras, speakers, and screen resolution. b. Tablets a. Smartphones c. both (a) and (b) d. E-readers These handheld computers (mobile devices) ____ a. are portable b. can access the internet c. are held in landscape or portrait mode d. all of them 6. Scanning QR codes to access content-related videos, audios, and texts is one of the advantages of using mobile phones in _ b. education a. writing d. playing games c. traveling 7. _____ installed on mobile devices is providing new solutions. b. Garning apps a. Cutting-edge technology d. None of them c. Assistive technology 8. can help a non-verbal students participate in a class. b. Facebook app a. Whatsapp d. Telegram app c. Speech assistance app

Put (\checkmark) in front of the correct sentence and (x) in front of the wrong one.

- One of the disadvantages of the mobile is the difficulty of connecting to the internet.
- 2. Many mobile devices function by touch.

10000						
	_	^	-	-	 -	
	_			()		
	_	u	J	v	S	

3. Mobile devices offer higher engagement levels for students and extend learning beyond the classroom.	1	•
	n'4	,
	/	
	1)
graphics difficult.	()
6. Without cutting-edge technology products, people of determination face		
challenges accessing education, healthcare, and employment.	()
7 Assistive software on tablets and smartphones can't help people of		
determination.	()
Complete the following sentences with the appropriate words in bracket	ets.	
(Assistive software - Tablets and smartphones - Mobile devices - Cutting-edge technology)		
1 offer higher engagement levels for students and extend learning beyond the classroom.		
2 surf the web and check email, similar to PCs.		
	me.	
Read and correct words between brackets.		
Small screens can make reading texts challenging and viewing complex graphics (easy).)
For example, this technology can connect homebound individuals with the	eir)
	learning beyond the classroom. 4. Scanning QR codes to access content-related videos, audios, and texts is useful in education. 5. Small screens can be a problem of reading texts and viewing complex graphics difficult. 6. Without cutting-edge technology products, people of determination face challenges accessing education, healthcare, and employment. 7. Assistive software on tablets and smartphones can't help people of determination. Complete the following sentences with the appropriate words in bracke (Assistive software - Tablets and smartphones - Mobile devices - Cutting-edge technology) 1	learning beyond the classroom. (4. Scanning QR codes to access content-related videos, audios, and texts isn't useful in education. (5. Small screens can be a problem of reading texts and viewing complex graphics difficult. (6. Without cutting-edge technology products, people of determination face challenges accessing education, healthcare, and employment. (7. Assistive software on tablets and smartphones can't help people of determination. (Complete the following sentences with the appropriate words in brackets. (Assistive software - Tablets and smartphones - Mobile devices - Cutting-edge technology) 1



Accumulative Test

On Lessons 1, 2, 3, 4, 5 & 6

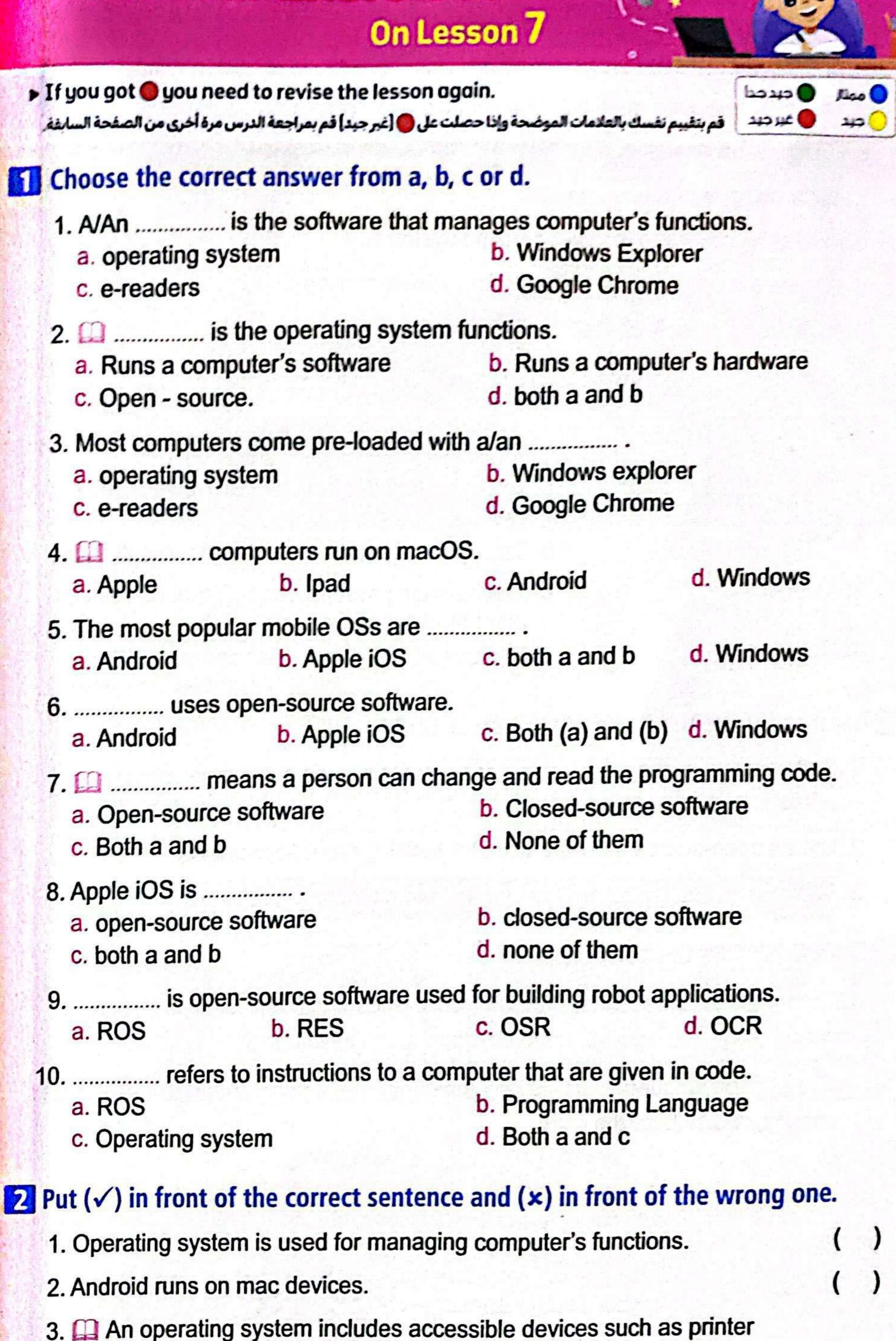
اختبار تراكمي على الدروس من الدرس الأول للدرس السادس

-	loose the correct an					
	interviews by using I a. Hearing impaired c. Blind and visually	[-Stem platform. people	b. People of dete	rmination		
2.	The are into					
	a. Port	b. Modem	c. Router	d. Switches		
	personalize social m	to unlock your phone edia content and sea b. AR	e with facial recognarch results. c. VR	ition and to		
	a. AI					
	There are different to a. user experiences	b. meeting needs	c. both (a) and (b)	d. none of the	em	
	The is a go newspapers and refe a. search engine	erence books.	or information from c. library catalog		ome	е
	t (1) in front of the				2.	
1.	Search engine is a go newspapers and refe	good place to search erence books.	for information from	i journals,	()
2.	Many mobile devices	function by touch.			(
3.	Artificial intelligence are examples of assi	(AI), augmented realistive technology.	ty (AR), and virtual	(VR)	(
	Wireless networks us holes on devices.	se physical wiring and	d cables which are	plugged into	(
5.	Library catalogs is a d	atabase which include	es all the items owne	ed by a library.	()
Re	ad and circle the cor	rect one.				
	Cutting-edge technolonew solutions. It can at (home - school).					
2.	Tablets, smartphone a	and (smart TV - E-rea	der) are types of me	obile devices.		

يمكنك المراجعة باستمرار (تراكمية) من خلال الصفحة السابقة.



scanner.



63

4 AIn computers are	on windows operating system.						
5. The most popular mobile OSs are Android and Apple iOS.							
6. Microsoft Window	6. A Microsoft Windows runs the most computers worldwide.						
7. Apple computers run on macOS.							
8. Mobile devices have	8. Mobile devices have mobile operating systems.						
9. Windows is open-sou	arce software for building robot applications.	(
10. HTML is commonly o	chosen for website creation.	(
3 Match from column	(A) with the suitable in column (B).						
[A]	(B) —						
1. macOS	a. The operating system used on Apple devices.	mobile					
2. iOS	b. The operating system used on Micro	soft PCs.					
3. Android	c- The operating system used on mobile other than Apple products.	e devices					
4. Windows	d. The operating system used on Apple	PCs.					
4 Read and write the na	me of the app or tool.						
Software that manage printers, and other descriptions	es a computer's functions, such as memory, dr evices.	ives, (
2. It is an open-source :	software used for building robot applications.	(
3. The most popular mo	obile OSs and it uses open source software.	(
B Read and circle the con	rrect one.						
	S perform the (same - different) basic functions	, such as					
messaging, web acce	ess, video chat and touch function.						

قەربتلوين الدائرة باللون المناسب لمستواك.

2. Programing languages are usually (open - closed) source. Allyone can see,

modify, or distribute the code.

Monthly Assessements = Nonthly Assessements



October Test

	Choose the correct a	answer from a , b, c	or d.			
	1. Mr. Kartik Sawhne	y uses to en	npower people of det	termination.		
	a. technology	b. construction too	ls c. writing tools	d. paint	too	ds
	2. Computer network	connects computers	with each other to			io
	a. remove	b. share	c. cut	d. delet	е	
	3 helps stu learning more men	norable.			es	A COLUMN
	a. RV	b. AR	c. VR	d. RA		To the second
	 Screen magnification text and text to special a. augmented realing 	eech are examples of			ch	to
	c. assistive techno		d. artificial intelli	The second secon		
	When doing resea content you select	rch via internet, use you	our evaluation skills to	ensure the		S. A. C. C. C. S. A. S.
	a. credible	b. accurate	c. unbiased	d. all of the	hen	1
	a. Smartphones	b. Tablets	c. PC computer	d. E-read		A CONTRACTOR
	7runs a cor a. Operating system c. E-readers	nputer's software and	b. Windows Exp d. Google Chron	lorer		
	8. HTML describes the elements such as .		age and consists of a	series of		
	a. headings	b. paragraphs	c. links	d. all of th	em	
2	Put (√) in front of th	e correct sentence a	nd (x) in front of th	e wrong one		
_	1. People of determin					
	prepare for job inte				()
	2. Switches help to ma	ake connections easie	er and faster.		()
	3. Artificial intelligence	(AI) is the ability of a	machine such, as a c	computer,		
	to think and learn.				()
	4. EKB is an example				()
	5. One of the disadvar	ntages of the mobile is	the difficulty of conne	ecting to		Parent
	the internet. 6. Small screens can	make reading texts ch	allenging and viewing	complex	()
	graphics difficult.	make reading texts cri	allerightig and victing	complex	,	1
	7. Operating system is	the software that ma	nages a computer's fu	inctions.	1	1
		ives, printers, and oth			()

October Revision

1 Summary

Lesson 2

>>> Networks: They are groups of devices or things that are connected to each other for a common purpose.

>> Types of networks:

- 1. Wired networks: They use <u>cables</u> that are plugged into ports.
- 2. Wireless networks: They connect devices without wiring using Wi-Fi.

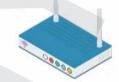
>> Network devices:

1. MODEM:

- a. Connects a local area <u>network (LAN)</u> to the internet.
- b. Converts (transforms) the signal from the ISP into a digital signal.
- c. Connects users to the internet

2. SWITCHES:

They send data to a specific device over a network,
 so it makes connections easier and faster.



- Switches are intelligent devices.

>> Artificial Intelligence (AI):

- A comprehensive term for computer applications that perform complex tasks that simulate the thinking and performance of the human element.
- Al also works to imitate sounds when provided with the tone of voice of an actual human being.

>> Examples:

- Writing an article on a topic.
- Inquiring about historical events and their sequence.



- >>> Virtual reality: It is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
- To experience VR, users wear a VR headset that blocks out the real world and immerse the user in another world.

>>> Examples on VR:

- It can take you to a museum thousands of miles away or to a historical site.
- 2. In classrooms, VR allows close study of enlarged insects and atoms.
- >> Augmented reality (AR): It combines the real world with a virtual world by adding images using computers.
 - It shows a 3-D model of what the real world looks like.
 - AR helps students become active participants in learning and makes learning more memorable.

>>> Examples on AR:

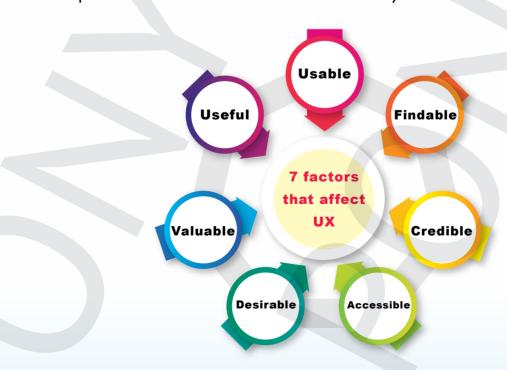
- 1. In math class, students can project 3-D images like cubes or cylinders onto a flat surface using their smartphones
- 2. Visually impaired people can use AR to see their family members up close.
- >> Artificial intelligence (AI): It is the ability of a computer, to think, learn, and deduce.
 - Computer learns by analyzing the available examples.

>> Example on AI:

- It predicts the word you will write from words you have written previously.
- Al is used to unlock your phone with facial recognition.
- Disabled individuals can use virtual assistants powered by AI
 to accomplish everyday tasks, such as making phone calls and
 navigating their computer.

Lesson 4

- >>> Cutting-edge technology: Is the latest and most advanced version of a service or product.
 - AI, AR, and VR are Cutting-edge technologies.
- >> Assistive technology helps people of determination.
- >> Examples of Assistive technology:
 - 1. Screen magnification software.
 - 2. Hearing aids
 - 3. Programs that turns speech-to-text and text-to-speech.
- >>> Smartgloves: They empower deaf people to translate their signs in real time to spoken or text output.
- >>> User experiences: It is how to use the product, interact with it, and evaluate their experiences.
 - It can be positive or negative.
- **User experience** is interlinked with the development of products and services.
- >> The goal of cutting-edge assistive technology is to improve someone's independence and to be included in society.



Lesson 5

- Copy, paste, and cut are some of the most commonly used word processing commands
- Search engines help people search Internet websites based on the keywords and phrases.
- >>> They are user-friendly, very fast, and often give many results.
- >>> Databases: They are collections of information which are typically stored in a computer system and can be accessed for free through a school.
- >>> A database is a good place to search for information from journals, newspapers, and reference books.
- >>> EKB is an example of a general database, the results will be credible and accurate.
- >>> Library catalog: It is a database which includes all the items owned by a library. such as, the catalog of the Library of Alexandria.
- >> When you search any database:
 - 1 Use a keyword search.
 - Review the results.
 - 3 You can limit a search by using fields like author, journal title and dates.

Lesson 7

- >>> Operating system (OS): It is the software that manages a computer's functions, such as memory, drives, printers, and other devices.
- >> OS manages accessible devices, such as screen readers and magnifiers.
- >>> OS runs a computer's software and hardware.
- OS acts as a translator; it translates user communication to computer languages.
- >>> Most computers come pre-loaded with an operating system.

OCTOBER REVISION 1 Summary

>> Computer operating systems:

Microsoft Windows	MacOS
• On most computers worldwide.	• It runs on Apple computers.

>> Mobile operating systems:

Android	Apple iOS
• Used on open-source software.	 Used on the iPhone and iPad.
	• Closed-source operating system.

- >>> Open-source software: means a person can change and read the programming code.
- >> Closed-source software: it can't be seen or changed by the public.
- >>> Both Android and iOS perform the same basic functions, such as messaging, web access, video chat and touch function
- >>> Cutting-edge operating systems:
 - 1 The Robot Operating System (ROS): is an open-source software for building robot applications.
 - Operating systems powering self-driving cars
- >>> Programming languages: Instructions to a computer are given in codes.
- >>> Programming languages have evolved from simple machine language (binary) to high-level human-like languages.
- >>> Programming languages are usually open-source.
- >> HTML is used to create website.
- >>> HTML is easy to learn, to make change and compatible with all the major web browsers.

_	Choose the correct an	ewer.	
	1 are group o		hat are connected to each
	other.	r people of fillings in	ndi die connecied to eden
	a. Modems	b. Networks	c. Routers
	2 perform(s)	complex tasks that	simulate the thinking and
	performance of people. a. Artificial intelligence	b. Holograms	c. Switches
	3 Computer networks are use		
	a. create	b. delete	
	4networks co	nnect devices using	Wi-Fi.
	a. Wired	b. Wireless	c. Both of them
	5 Wired networks connect d	evices using	
	a. Wi-Fi	b. radio waves	c. cables
	6is a device t	hat connects a local	area network (LAN) to the
	internet.	1 1 1	
	a. Artificial intelligence		c. Server
	7 Al is an abbreviation for		
	a. Automated Intelligencec. Artificial Intelligence	b. Advanced inn	ovation
	8 are intellige	ent devices that pas	s information to a specific
	device over a network.	1.111	
	a. Switches	b. Hubs	c. Modems
	9 A converts	the signal from the	e internet service provider
•	(ISP) into a digital signal. a. modem	b. router	c. switch
	10 can imitate		
		JULIAN TITLE PION	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

b. Artificial intelligence c. Switches

a. A modem

of an actual human being.

Put (√) or (X):

1	Networks are groups of people or things that are connected to each
	other (
2	Wireless networks connect devices with physical wiring and cables. (
3	There is only one way to connect computers to a network, using cable

4	Computers don't need network connection devices to transfer data.(
5	Artificial intelligence can imitate the sounds of people.	

6	Switches are intelligent devices.	()
	o , ,	1	,

7	Modem is a d	levice that	converts	the sig	nal from	ISP into	a digital	signal.
---	--------------	-------------	----------	---------	----------	----------	-----------	---------

8 /	A modem	sends data	to a specific	device on the	network.	()
-----	---------	------------	---------------	---------------	----------	-----

- 9 Wired networks use physical cables which are plugged into ports. ()
- 10 Switches direct data to specific devices, making connections easier and faster.
- 11 We can connect devices to a network without wiring. ()
- 12 A router works as a gateway that connects a computer to an internet service provider (ISP).

Complete the following sentences using the words between the brackets:

(intelligent - router - specific - Wired - AI)

- 1 networks connect devices using cables.
- 2 Switches send data to a(an) device on the network.
- 3 A works as a gateway to connect devices to the internet.
- 4 Switches are devices.
- 5can imitate sounds of people by providing a tone of actual people.



Column (A)	Column (B)
1 Al	a. connects a modem to different networks.
2 A router	b. are groups of people or things that are connected together
3 A switch	c. is a hole on devices where cables are plugged in.
4 Networks	d. computer applications that simulate the thinking and performance of people.
5 A port	e. is an intelligent device that send data to a specific device on the network.



ú	
-	
d	Choose the correct answer:
196738	1 combines the real world with a virtual world by addin
200	computer-generated images.
W. CO	a. Virtual reality b. Augmented reality c. Assistive technolog
STATE AND	2 is a simulated 3D environment that allows users to explor
1	and interact with the surroundings as if they were in reality.
	a. Virtual reality b. Artificial intelligence c. Assistive technolog
	is the ability of a machine such, as a computer, to thin
15	and learn.
	a. Virtual reality b. Augmented reality c. Artificial Intelligence
10	Wisually impaired people can use to see their famil
	members up close.
No.	a. artificial intelligence b. augmented reality c. hearing aids
	(5) To experience virtual reality, users often wear
	a. 3D glasses b. VR headsets c. AR headsets
S. F.	6 Augmented reality can be done using the of you
50	smartphone.
N. S.	a. microphone b. speaker c. camera
	A VR headset blocks out the world and provides 360-degree
	views.
	a. real b. virtual c. both of the previou
1	8 Facial recognition is a feature used to unlock your phone using
No.	
ri gr	a. artificial intelligence b. virtual reality c. augmented reality
	(9) Augmented reality shows a/an model of what looks like
	the real world

b. 3D

c. invisible

a. 2D

	7.0		The second secon	25. 1
using yo	ooard VR headse our smartphone.	t is a/an	way to experience	e VR
a. expe	nsive	b. inexpensive	c. difficult	
		app to point at tars, planets, and nebul		see a
a. Goog	gle Maps	b. Vlaby	c. Sky Map	
12 A comp	uter learns by	the provide	d examples.	
a. analy	zing	b. storing	c. saving	
	g the next wor	d you will type using	your smartphone	is an
a. virtuo	al reality	b. augmented reality	c. artificial intelli	gence
14 Disabled	l people can use	virtual assistants powe	ered by	tc
		as navigating their com	puter.	
a. artific	ial intelligence	b. augmented reality	c. virtual reality	
Put (√) (or (X):	et constant		
A compute	iter learns by and	alyzing the provided ex	amples.	()
The Uber	app uses artifici	al intelligence to match r	iders with availab	le
drivers.				()
3 Augment	ted reality, virtual	reality, and artificial in	telligence (AI) are	
consider	ed futuristic techn	ologies.		()
Futuristic	technologies car	't improve the lives of p	eople of determine	ation.
				()
S Artificial	intelligence can	run in the background o	f programs to filte	г
spam ma	ıil.			()
6 There is n	o difference betw	reen augmented reality o	and virtual reality.	()
Virtual re	ality is a simulate	ed 2D environment that	allows users to inte	eract
	surroundings.			[]
8 A VR head	dset blocks out the	real world, and provides	360-degree views.	()
				,

- (9) AR combines the real and virtual worlds to show 3D models that look real.
- 10 Al is used to unlock your phone with facial recognition.
- 11 Augmented reality helps students become active participants in learning.
- 12 The ability of a machine, such as a computer, to think and learn is called AR.
- 13 A cardboard VR headset is an expensive way to experience virtual reality.
- 14 To experience virtual reality, users often wear a AR headset.
- Virtual reality allows you to explore museums from all over the world without leaving your home.

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)	
1 VR	a. includes AI, AR and VR.	
② AR	b. is the ability of a machine to think and learn.	
3 AI	can be used to do everyday tasks, such as making phone calls.	
Virtual assistants	d. is a simulated 3D environment that allows users to interact with the surroundings.	
5 Futuristic technology	e. adds computer-generated images to show a 3D model of what looks like the real world.	

Choose the correct a		
The newest and most adv	ranced version of a se	ervice or product is called
a. assistive	b. cutting-edge	c. virtual
find challenging.	helps people of dete	ermination with tasks they
a. Assistive	b. Cutting-edge	c. Virtual
Screen magnification soft technology.	ware and hearing ai	ids are types of
a. futuristic	b. cutting-edge	c. assistive
they evaluate their experie	ow people interact v	with a product, and how
a. Futuristic technology	b. User experience	e c. Virtual reality
Artificial intelligence, augr of technolog	mented reality, and vi	
a. assistive	b. cutting-edge	c. Microsoft
6 empower de text output.		
a. Hearing aids	b. Smart glasses	c. Smartgloves
(7) If the product is practical experience will be	and meets the cus	
a. positive	b. negative	c. neutral
8 Complicated and hard-to-us	se products result in	user experiences.
a. positive	b. negative	c. neutral
Put (/) or (x):		
1 The newest and most advaraged assistive technology.	nced version of smart	phones is called
Smartaloves are a type of a	ssistive technology	i i

Role of ICT in Our Life

		200	
1	3 Artificial intelligence is one of the cutting-edge technologies.	100	1
	Programs that convert speech to text and vice versa are a type of		
	assistive technology.)
	(5) User experiences describe how people use a product and evaluate t	he	ir
	experiences.		1
	A user experience is always positive.		1
	Tredibility and accessibility are factors that affect user experiences. (1
	Smartgloves don't empower people of determination.)
	The development of products and services doesn't affect the user		
	experience.)
	One of the goals of assistive technology is to improve someone's		
	independence.		1
	11 The best assistive technology for a person depends on their individua	al	
2	abilities and challenges.)
	12 Assistive technology helps people of determination to be included in	th	е
	society.		1
	13 If the product is pleasant to look at and interact with, this makes the		
2	user experience negative.		1
	Complete the following sentences using the words between	ee	n
3	the brackets:	40	20
	(Cutting-edge technology – User experiences – Smartgloves – Assist technology – Hearing aids)	tiv	е
	1 translate sign language to speech or text.		
	challenging.	fin	d
	3is/are how people feel about using a product.		
	is/are the latest and most advanced technology.		
	is/are a type of assistive technology that can help peo with hearing troubles	pl	е

Exercises on Lesson 6

	d) 	24
(Į		0
	i		-
62	1	1	1

1 EKB is a		
a. credible	b. unreliable	c. biased
2 You can use	to search on the li	nternet using keywords and
a. search engines c. books	b. programing la	inguages
3) is/are o	collections of information	on that are typically stored
 a. Search results 	b. Databases	c. Software
4 The shortcut used in W	indows to paste a text	or image is
a. "Cmd + V"	b. "Ctrl + V"	c. "Ctrl + P"
5 The keyboard shortcut	"Cmd + X" is used to	a text or an
image in macOS.		m to take the same
а. сору	b. cut	c. paste
6 You can use the shortce in Windows.	ut "Ctrl + C" to	a text or an image
а. сору	b. cut	c. paste
7 When conducting a dig	gital search, make sure	e the information you get is
••••••••••••••••••••••••••••••		
a. credible	b. biased	c. unreliable
8) is a database	which includes all the	items owned by a library.
a. EKB	b. A digital libra	ry c. A library catalog
9 The database	covers only one subject	ct, such as business or law.
a. general	b. subject	c. electronic

Search engines help people	e search - I:	5 -
a. keywords	11111 11111	
EKB is an example of a	c. both of the previo	ous
subjects.	c. both of the previo	any
a. subject	b. general	
Put (✓) or (X):	c. network	
1 There is only one type of d	atabase.	23 9/5
EKB is an example of a sul	The state of the s	()
	ed for free through a school or library.	()
(4) It is not important to credit	the source of information.	,
(5) All digital search tools give		'
6 It is recommended to use a	keyword to conduct a database search.	1
A library catalog search d	loesn't include recently published books.	1
	o cut a text or an image in Windows.	1
	sed to paste a text or an image in macOS.	1
10 EKB is an inaccurate source		.1
11 Bing is a reliable database		1
12 Some Google search resul	ts may be biased.	1
	it few years to get up-to-date results from	•
a database.	, , , , , , , , , , , , , , , , , , , ,	(
14 Be sure the search result ye	ou select is credible and accurate.	i
	ndly, very fast, and often give many results.	(
	to search for information from journals,	
newspapers, and books.		(
17 The shortcut "Cmd + X" is u	sed to cut a text or an image in Windows.	(
	ed will help you choose which search too	
use.		(

- General databases are designed to provide information on a specific topic.
- You can use other database fields, such as author or journal title, to narrow a search.
- Complete the following sentences using the words between the brackets:

(library catalog - cut - keywords - subject database - EKB)

- 1 The shortcut "Ctrl + X" is used to a text in Windows.
- 2 is an example of a general database which covers many subjects.
- 3 It is preferable to use to search for information on a database.
- A covers only one subject and any results will be specific to your topic.
- (5) A is a database which includes all the items owned by a library.



The state of the s			
Choose the correct	answer:		
1) The is the so	oftware that manager	a computed a bundance	
a. programming langue	age b. operating sy	sleme Excel	
The most popular opera	The most popular operating system for computers worldwide is		
a. Android	b. macOS	c. Windows	
3 The most popular opera	ting system for mobil	es worldwide is	
a. Windows	b. Android	c. Apple iOS	
4 The runs o	a computer's software	e and hardware.	
a. operating system	b. CPU	c. hardware	
(5) Instructions for a comput	er are given in the fo	orm of a/an	
a word file	b. code	c. audio	
(6) The allows a	user to communicate	e with the computer without	
knowing computer langu	ages.		
a operating system	b. hardware	c. compiler	
7) is the mob	ile operating system	that runs on iPhone.	
a. Android	b. iOS	c. Linux	
(8) is an open	ating system for App	le computers.	
a. Windows	b. macOS	c. iOS	
(9) manages	accessible devices, s	uch as screen readers and	
magnifiers.			
a. Windows	b. Word	c. The hardware	
10 MacOS is an operating	system developed by		
a. Microsoft	b. Apple	c. Google	
11 Windows is an operating	system developed l	oy	
a. Microsoft	b. Apple	c. Google	

The operating systems Android and iOS perform the same basic functions.

Windows is open-source software that can be edited by anyone.

Theme

Programmers choose a language beaut	stems	C
9 Programmers choose a language based on the purpose of the pr	ogra	m
Windows is an operating system used on 15% of computers. Apple iOS is closed-source software which cannot be changed by public.	(y the	1
The similarities between programming languages make them east	(y to)
Self-driving cars don't need operating systems to perform. Programming languages are usually closed sources. Closed-source software means the code can be read and change	1)
anyone. 16 HTML isn't compatible with all the major web browsers. 17 There are multiple operating systems powering self-driving cars.	d by)
· IN I		

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)	
1 MacOS	 a. means that anyone can view and modify the software. 	
2 iOS	 b. is the most popular mobile operating system worldwide. 	
3 The operating system	c. runs on iPhone and is used on 27% of the world market.	
Open-source software	d. is an operating system for Apple computers.	
(5) Android	Android e. is the software that manages a computer's functions.	

October Revision Model Exams

Model Exam

		Choose the correct ar	nswer:	
	1	The latest and most adva	nced version of a serv	vice or product is called
		technology.		
		a. assistive	b. cutting-edge	c. virtual
	2	are groups of peop	_	
				c. Routers
	3	is a programm	• • •	, ,
		a. HTML	b. machine language	<u> </u>
	4	combines the	real world with a v	irtual world by adding
		images using computers.		
		a. Virtual reality		•
4	5	A is used to co		
		a. switch		c. modem
	0	Apple iOS is a/an		I II CII
	7	a. open-source		
	/	Word prediction in smart	•	
	Q	a. virtual reality	,	
	U	a. Programming languages	· ·	
			b. Operating system	C. LXCel
Ę		Put (✓) or (×):		
		Artificial intelligence can	·	
		AR is used to unlock your	•	ognition. ()
		User experience is alway		()
	4	ine chimarines servicen	programming language	ges make them easy to
	•	learn.		()
	5	Search engines are user-f	riendly, very fast, and	offen give many results.
	4	In the other transfer of the second	and the second of the first	-f
	6	Instructions to a computer	-	
		Closed-source software m public.	eans the code can t be	seen or changed by the

Model Exam

1		Choose the correct an	iswer:	
	1	networks conn	ect devices using Wi-Fi.	
		a. Wired	b. Wireless	c. Both of them
	2	can imitate so	unds when provided with	the tone of voice of
		an actual human being.		
		a. Augmented reality	b. Artificial intelligence	c. Switches
	3	To experience virtual reali	ty, users often wear	
		a. 3D glasses	b. VR headset	c. AR headset
	4	The computer learns by	the available ex	kamples.
		a. analyzing	b. storing	c. saving
	5	Virtual assistants powered	l byenable di	isabled individuals to
		perform daily tasks like m	aking calls and using the	ir computers.
		a. artificial intelligence	b. augmented reality	c. virtual reality
	6	technology hel	ps people of determination	on with tasks they find
		challenging.		
			b. Cutting-edge	
	7	is a database v	which includes all the item	s owned by a library.
		a. EKB	b. Digital library	c. Library catalogs
	8	Programming languages	have evolved from a	to high-level
		languages.		
		a. simple languages	b. very high languages	c. mild
	F	Put (√) or (x):		
	1	Switches are intelligent de	evices.	()
	2	A modem sends data to a	specific device on the ne	etwork ()
	3	When you search online	e, ensure that the result	ts are accurate and
		credible .		()
	4	Futuristic technologies	can improve the liv	ves of people of
		determination.		()
	5	Credibility and accessibility	y are factors that affect use	er experiences. (
	6	The EKB is an inaccurate s	source of information.	()
	7			m a database. (



Choose the correct	ct answer:	
1 Wired networks con	nect devices using	
a. Wi-Fi	b. wireless	c. cables
2is a simu	lated 3-D environment that	allows users to explore
and interact with the	surroundings, as if it were	reality.
a. Virtual reality	b. Artificial intelligence	c. Assistive technology
3 The most popular op	erating system for computer	s worldwide is
a. Android	b. macOS	c. Windows
	a feature used to unlock yo	
	ce b. virtual reality	
	people interact with a p	product, and how they
evaluate their experi) <i>(</i>
	gy b. User experiences	
and the second s	search on the internet using	
· ·	b. programing languag	
·	e of general database whic	
a. EKB	b. Vlaby	c. Google
•	n-source software for buildi	
a. iOS	b. ROS	c. Android
Put (√) or (×):		
	t the real world and provide	e views that immerse the
user in another world		()
 Virtual reality allows 	you to explore museums th	ousands of miles away.
		()
3 macOS is on most co	•	()
4 A database is a goo	d place to search for inform	nation from journals and
newspapers.		()
5 Both Android and iC	S perform the same basic f	functions. ()
6 The operating system	n manages a computer's fun	actions. ()
	OS perform the same basic	functions, such as web
access, video chat, c	and touch function.	()



	Choose the correct answer:		
	1is a device that connects a local area network (LAN) to the interne		
	a. Artificial intelligence b. A modem c. A server		
	2is the ability of the computer to think, learn and deduce.		
	a. Virtual reality b. Augmented reality		
	c. Artificial intelligence		
	3 software means a person can change and read the		
	programming code.		
	a. Open-source b. Closed-source c. Both of them		
	4 empower deaf people to translate their signs to spoken or text output.		
	a. Hearing aids b. Smart glasses c. Smartgloves		
	5 Complicated and hard-to-use products result inuser experiences.		
	a. positive b. negative c. neutral		
	6 are collections of information which are typically stored in a		
	computer system.		
	a. Search resultsb. Databasesc. Software		
	7 Apple computers run on		
	a. Windows b. macOS c. Apple iOS		
	Put (√) or (×):		
	1 Wired networks use physical cables that are plugged into ports. ()		
2 Virtual reality is a simulated 2-D environment that allows users to intera			
	with the surroundings. ()		
	3 AR, VR, and AI are considered cutting-edge technologies. ()		
	4 HTML isn't compatible with all the major web browsers. ()		
	5 User experience describes how people use a product and evaluate their		
I	experiences. ()		
	6 Databases can be accessed for free, through your school. ()		
	7 All digital search tools give similar results. ()		
	8 Most computers come pre-loaded with an operating system. ()		



Choose the correct answer:			
1 converts the signal from the internet service provider (ISP) into			
a digital signal.			
a. Modem	b. Router	c. switch	
2is an opera	• ,		
a. Android	b. Apple iOS	c. Linux	
		t perform complex tasks,	
simulating human think	•		
a. Artificial intelligence	<u> </u>	c. Switches	
, , , , ,		family members up close.	
	b. Augmented Reality	_	
5 If the product is practic will be	al and meets customer ne	eeds, the user experience	
a. Positive	b. negative	c. neutral	
6 EKB is a so			
a. Credible	b. unreliable	c. biased	
•		e items owned by a library.	
a. Web browser		c. platform	
8 Android uses			
a. open-source	b. closed-source	c. both of them	
Put (√) or (x):			
1 We can connect device	es to a network without v	viring. ()	
2 Switch is a device the signal.	at converts the signal from	om an ISP into a digital	
	nsidered futuristic techno	ologies even though they	
3 AR, VR, and Al are considered futuristic technologies even though they are already being used today.			
	•	rm the search tools you	
4 Knowing the results that you need helps inform the search tools you could use.			
	e of assistive technology	. ()	
,,,	• ,	with, this makes the user	
experience negative.		()	
	a computer's software a	nd hardware.	

Answers

Model Exam

- 1 b 2 a
- 3 a
- **4** b

- 5 c 6 b
- 7 c
- 8 b

- 1 🗸
- 2 X
- 3 X
- 4 1

- 5 🗸
- 6 1
- 7 1

Model Exam

- 1 b
- 2 b
- 3 b
- **4** a

- **5** a
- 6 a
- 7 c
- 8 a

- **2** 1 🗸
- 2 X
- 3 /
- 4 1

- 5 🗸
- 6 X
- 7 /

Model Exam

- 1 c
- 2 a
- 3 c
- 4 a

- 5 b
- 6 a
- 7 a
- 8 b

- **2** 1 🗸
 - / 2/
- 3 X
- 4 1

- 5 /
- 6 1
- 7 /

Model Exam

4

- 1 b
- 2 c
- 3 a
- 4 c

- 5 b
- 6 b
- 7 b

- 211
- 2 X
- 3 /
- 4 X

- **5** ✓
- 6 1
- 7 X
- 8 /

Model Exam

- 1 a
- 2 b
- 3 a
- 4 b

- 5 a
- 6 a
- 7 b
- 8 a

- **2** 1 🗸
- 2 X
- 3 🗸
- 4 1

- 5 🗸
- 6 X
- 7 /







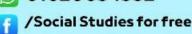
- 1-Choose the correct answer:
- 1. Mr.is a National Geographic Explorer and a computer expert (Kartik Sawhney- Albert Lin- Sani)
- 2. He earned his Bachelor's and Master's degrees inat Stanford University, California, in the USA (science-Computer Science-HTML code)
- 3. His app convertsinto audio frequencies (graphs-word-Excel)
- 4. The platform also includes mentorship and employment opportunities for people of determination.

(website - I-Stem - links)

5. People of determination can get help withwriting













assist the visually impaired. the Taha Hussein ibrary in the (New Bibliotheca Alexandrina-Cairo -

Alexandrina)

- 7.thehas scanners with special software that converts printed text into audio (EKB-Taha Hussein Library-Cairo Library)
- 8. The Miracle Child"who is a talented computer programmer (Mohamed salah - Rania Saleh - Reem Saleh)
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- 10.it provides information and Resources related to accessibility for people with disability (Roger voice- Access Now- be my eyes)
- 11.it's a website and mobile application that aims to connect blind or visual





and very with cited volunteers throw with you

(Roger voice- Access Now- be my eyes)

- 12.are groups of devices all things that are connected to each other for a common Purpose (Networks- Modem- switches)13.it's a device that connect a local
- 13.it's a device that connect a local area network land to the internet (Networks- Modem- switches)
- 14. modem it converts the signal from the internet service provider ISP (Networks- Modem- switches)
- 15.they can send that to a specific device over a network which helps to make connections easier and faster "
 (Networks- Modem- switches)
- 16.it's a comprehensive term for computer applications the third form complex tasks





(augmented reality -virtual reality -Artificial intelligence)

- 17. Al works to imitate sounds when provided with the tone of voice of an actual human being (augmented reality -virtual reality -Artificial intelligence)
- 18.is a virtual 3D environment that allow users to export and interact with the surrounding (augmented reality -virtual reality -Artificial intelligence)
- 19. to experience VR users often wear a that block out the real world (VR headset- Android- printers)
- 20. combines the real world with a virtual world by adding images using computers this will show a 3D model (augmented reality -virtual reality -Artificial intelligence)







1. artificial intelligence AI is the ability of the computer to think learn and decide (augmented reality -virtual reality -Artificial intelligence)

- 22.is used to unlock your phone with facial recognition (augmented reality -virtual reality -Artificial intelligence)
- 23.to accomplish everyday tasks such as making phone calls (augmented reality -virtual reality -Artificial intelligence)
- 24.is benefited as the latest and most advanced version of a service or products (cutting edge technology- Assistive technology-user experiences)
- 25. people of the determination such as sensitive technology smart gloves that empower deaf people(cutting edge technology- Assistive technology- user experiences)







and interact with it and how to evaluate the experience (cutting edge technology- Assistive technology-user experiences)

- 27. must interlinked with the development of products and services (cutting edge technology- meeting needs user experiences)
- 28. cutting Edgeis incredibly varied but the goal is the same (assistive technology meeting needs user experiences)
- 29. copy paste and cut are some of the most commonly usedcommands (assistive technology meeting needs word processing)
- 30.they are a collection of information which are typically stored in a computer system







(assistive technology - database - library catalog)

- 32. example of a general Database (search engine The EKB library catalog)
- 33.is a database which includes all the items owned by a library (search engine database library catalog)
- 34. you can use other database fields to Narrow a search such as(journal title author- both of them)
- 35. the covers many subjects the results will be credible and accurate (search engine The EKB library catalog)
- 36. limiting a search Range by specific dates will help you find the mostresearch







to date-delete- make)

- 37.is a software that manages a computer's functions (operating system OS- Robot operating system-Android)
- 38. Windows is one most computers worldwide (Apple- Microsoft Android)

- 41.which is used on the iPhone and iPad (ROS -Android -apples iOS)
- 42. uses open-Source software which means a person can change (ROS -Android -apples iOS)







..... is an open-Source software used building robot applications (binary -ROS- HTML)

- 44. there are multiple powering selfdriving cars (operating system OS- Robot operating system-Android)
- including those developed by Apple 45. CarPlay and Windows Automotive (operating system OS- self driving cars -Android)
-to create website web pages 46..... (iOS-EKB-HTML)
- 47. programming language have evolved from simple machine language(.....) to high level human-like language (binary -HTML -iOS)
- 48.is commonly choosing for websites creation because it's easy to learn and to use



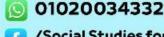


nary -HTML -iOS)

- 49. it describes the structure of web page and consists of a series of elements (binary -HTML -iOS)
- 50. it's at the top tag of the page (large heading -image -subheadings)
- 51. They make the text easy to scan so a reader can find the information they want (large heading -image -subheadings)
- 52.usually has more than one sentence (large heading -paragraphs-subheadings)

2-Put (T) /(F):

- 1. Mr. Sawhney creates applications that provide access to visual content to the blind and visually impaired. ()
- 2. switches are intelligent. ()
- 3. there are one operating system powering selfdriving cars ()
- 4. both Android and iOS perform the same basic function()









Apple is one most computer worldwide ()

- Spples iOS which is used on the iPhone and iPad()
- 7. computer language often shares similarities, so once you learn one it is easier to learn others()
- 8. Apple iOS is open-Source it can't be seen or changed by the public ()
- 9. Hyper Text Markup Language (HTML) to create website web pages ()
- meeting needs interlinked with the 10. development of products and services ()
- use your evaluations skills to ensure the 11. content you select is credible and agreed accurate ()
- example of a general Database(The OS) () 12.
- switches they can send that to a specific 13. device over a network()
- programming language are usually open 14. source ()
- web browsers read HTML documents and 15. display the content according to the HTML tags have three main parts ()





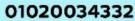
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 - Image usually has more than one sentence ()
 - to experience AR users often wear a VR 18. headset that block out the real world ()
 - Switches it converts the signal from the internet service provider ISP which transform into a digital signal ()
 - Text broken up into paragraphs makes it 20. easy for the reader to scan for the information they want ()
 - limiting a search Range by specific dates 21. will help you find the most up-to-date research()
 - 22. a search engines search may include recently published the books including ebooks ()
 - virtual reality VR is a virtual 3D environment that allow users to export and interact with the surrounding ()
 - modem it's a device that connect a local area network ()





artificial intelligence a robot vacuum uses to avoid furniture and stairs ()









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(website - I-Stem - links)

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stive technology - database - library catalog)

- 83. you can search for information from magazines and newspaper through the.. (search engine - database - library catalog)
- 84. example of a general Database (search engine - The EKB - library catalog)
- 85.is a database which includes all the items owned by a library (search engine - database - library catalog)
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- (Apple-Microsoft Android)
- 91. Apple computers run on ... (Apple- Microsoft - Mac OS)
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-usually has more than one 104. sentence (large heading -paragraphs-subheadings) 105. 106.

2-Put (T) /(F):













- Mr. Sawhney creates applications that provide access to visual content to the blind and visually impaired. (T)
- switches are intelligent. (T) 27.
- there are one operating system powering self- driving cars (F)
- both Android and iOS perform the same basic function(T)
- Apple is one most computer worldwide 30. (F)
- apples iOS which is used on the iPhone 31. and iPad (T)
- computer language often shares 32. similarities, so once you learn one it is easier to learn others(T)
- Apple iOS is open-Source it can't be seen 33. or changed by the public (F)
- Hyper Text Markup Language (HTML) to 34. create website web pages (T)
- meeting needs interlinked with the development of products and services (T)
- use your evaluations skills to ensure the 36. content you select is credible and agreed accurate (T)







example of a general Database(The OS)

- switches they can send that to a specific 38. device over a network(T)
- programming language are usually open 39. source (T)
- web browsers read HTML documents and 40 display the content according to the HTML tags have three main parts (T)
- HTML elements break up with beach to make them easier to scan, read and navigate **(T)**
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- 44. Switches it converts the signal from the internet service provider ISP which transform into a digital signal (f)
- Text broken up into paragraphs makes it easy for the reader to scan for the information they want (T)
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- 49 modem it's a device that connect a local area network (T)
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